

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P635095

Luminaire Tested: GWS-SA3D-722-U-T4FT-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635095  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3D-722-U-T4FT-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

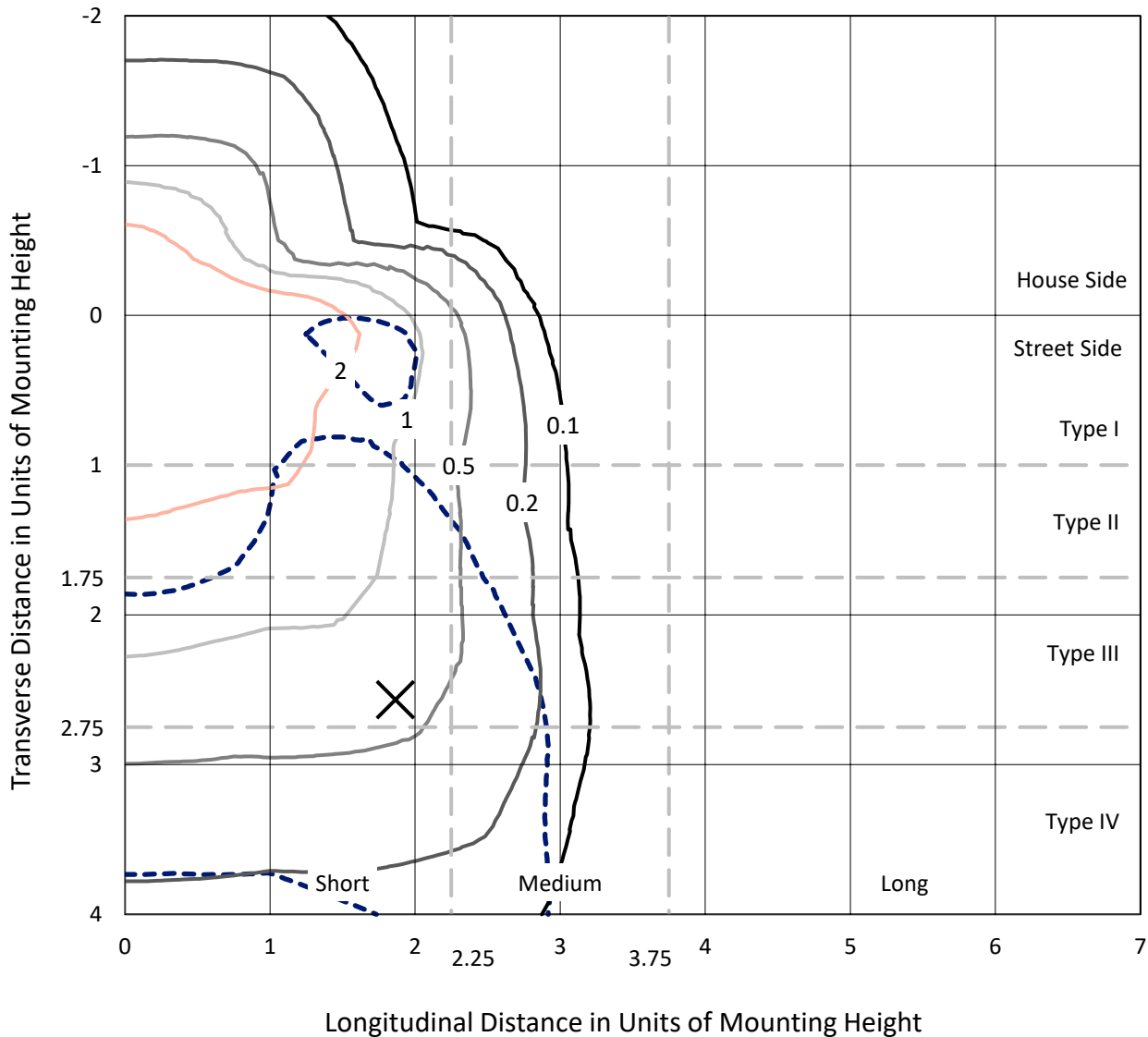
Lumens per Lamp: N/A  
Luminaire Lumens: 12520.9 lumens  
Efficiency: N/A  
Efficacy: 103.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P635095  
 CATALOG NUMBER: GWS-SA3D-722-U-T4FT-W

### Iso-Footcandle Lines of Horizontal Illumination

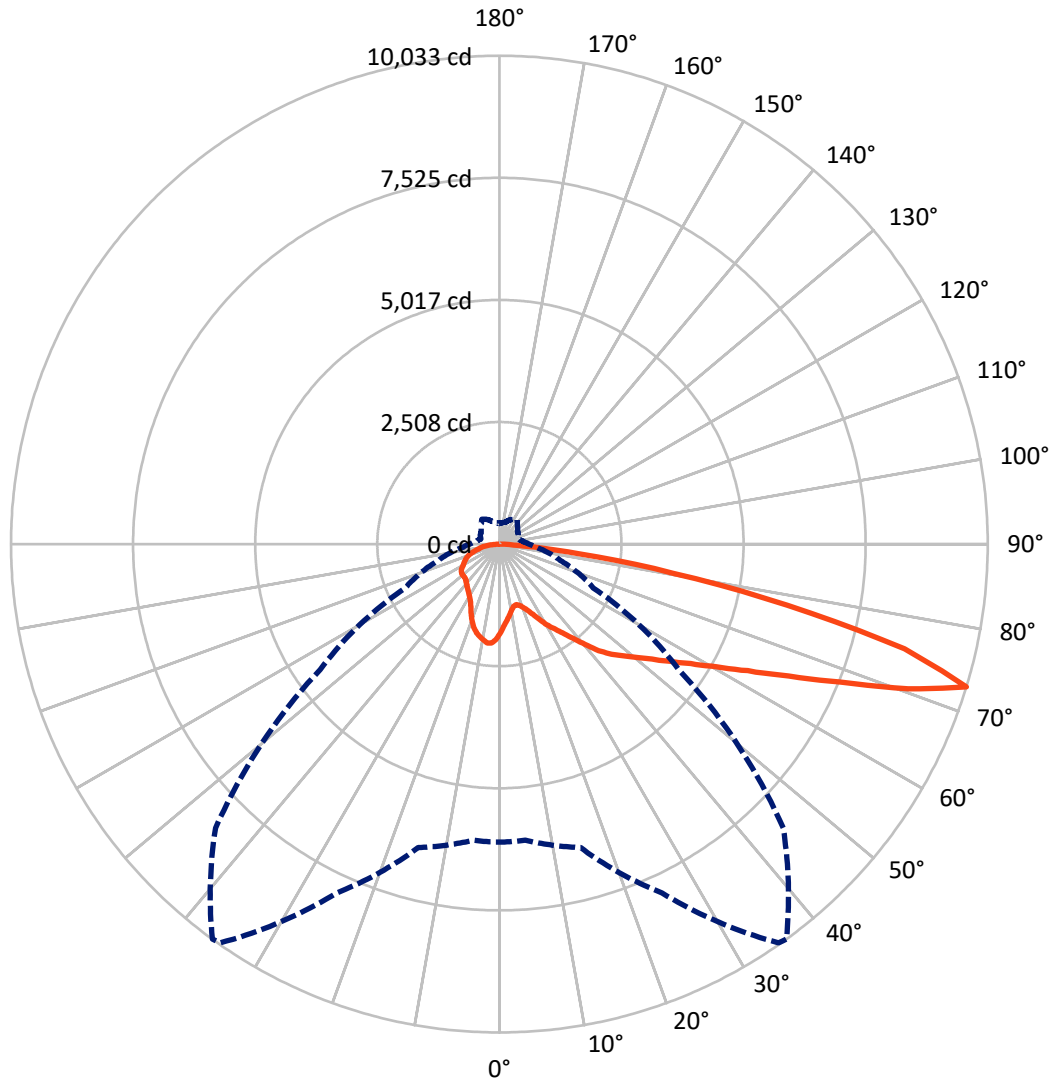
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.9 fc  
 Type IV - Short - N/A

REPORT NUMBER: P635095  
CATALOG NUMBER: GWS-SA3D-722-U-T4FT-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P635095

CATALOG NUMBER: GWS-SA3D-722-U-T4FT-W

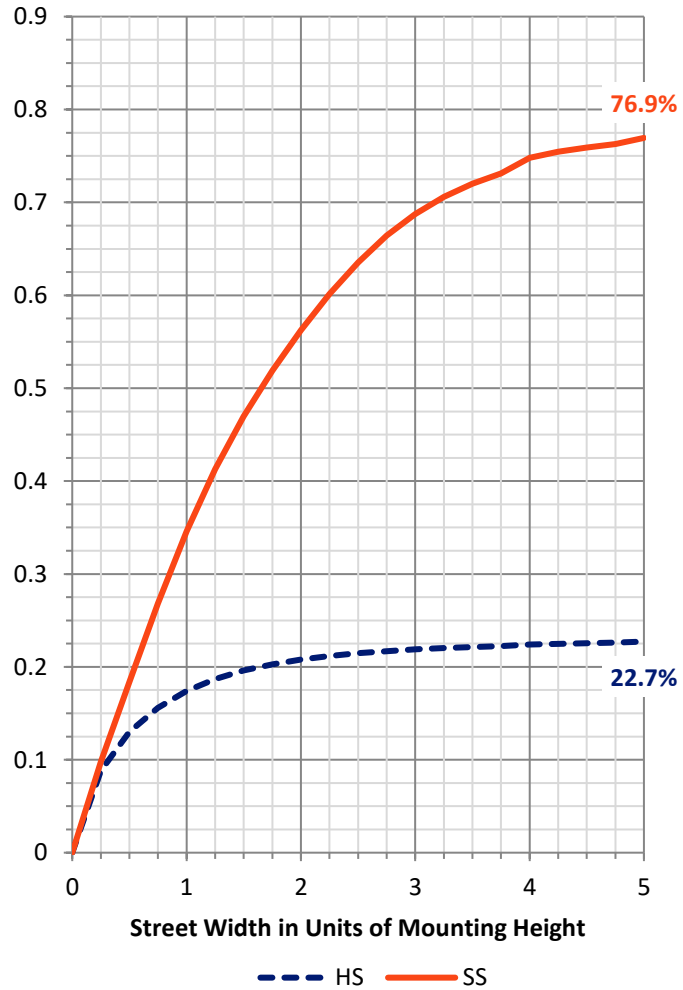
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2886.6	0.0	2886.6
	% Fixture	23.1	0.0	23.1
<b>Street Side</b>	Lumens	9634.3	0.0	9634.3
	% Fixture	76.9	0.0	76.9
<b>Total</b>	Lumens	12520.9	0.0	12520.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	171.3	1.4
10°-20°	483.3	3.9
20°-30°	800.4	6.4
30°-40°	1198.6	9.6
40°-50°	1748.7	14.0
50°-60°	2488.9	19.9
60°-70°	3144.5	25.1
70°-80°	2240.7	17.9
80°-90°	244.6	2.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	12520.9	100.0
0°-180°	12520.9	100.0

**Coefficient of Utilization**



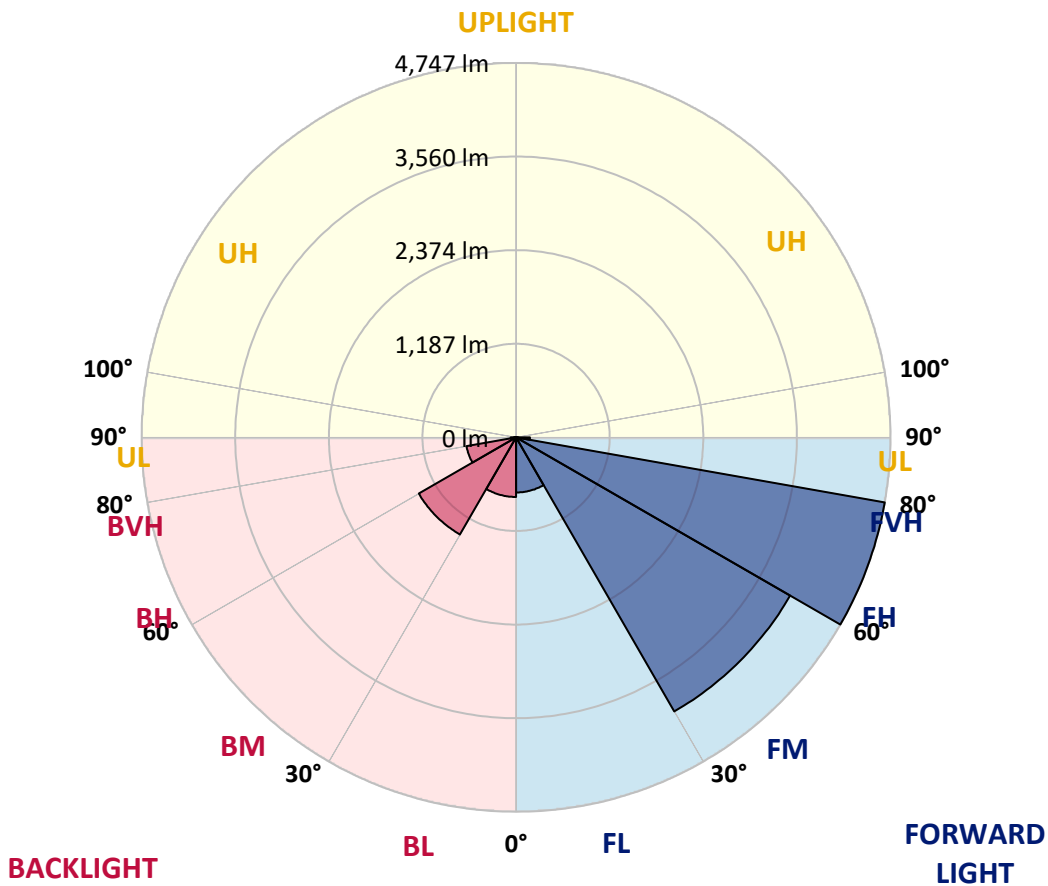
REPORT NUMBER: P635095

CATALOG NUMBER: GWS-SA3D-722-U-T4FT-W

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	699.0	5.6			
FM (30°-60°)	4012.6	32.0			
FH (60°-80°)	4747.1	37.9			G2/5000
FVH (80°-90°)	175.6	1.4			G2/225
BL (0°-30°)	755.9	6.0	B2/1000		
BM (30°-60°)	1423.5	11.4	B2/2500		
BH (60°-80°)	638.2	5.1	B2/1000		G2/1000
BVH (80°-90°)	69.0	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**  
 Type IV Short





REPORT NUMBER: P635095  
 CATALOG NUMBER: GWS-SA3D-722-U-T4FT-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	1832.5	1832.5	1832.5	1832.5	1832.5	1832.5	1832.5	1832.5	1832.5	1832.5	1832.5
2.5°	1671.7	1668.9	1663.4	1680.1	1696.8	1695.0	1718.2	1740.5	1764.7	1789.7	1823.2
5°	1537.9	1536.1	1531.4	1556.5	1581.6	1580.7	1618.8	1655.0	1704.3	1758.1	1825.1
7.5°	1404.1	1399.5	1406.0	1437.6	1472.9	1476.6	1528.6	1588.1	1659.6	1740.5	1835.3
10°	1286.1	1285.2	1287.9	1323.3	1376.2	1379.9	1446.8	1529.6	1624.3	1732.1	1858.5
12.5°	1255.4	1253.6	1246.1	1263.8	1303.7	1309.3	1382.7	1484.0	1600.2	1736.8	1890.1
15°	1305.6	1301.0	1274.9	1266.6	1286.1	1290.7	1353.0	1457.1	1586.2	1745.1	1930.1
17.5°	1392.0	1389.2	1340.0	1305.6	1318.6	1322.3	1368.8	1452.4	1582.5	1761.9	1979.3
20°	1518.4	1506.3	1429.2	1377.2	1377.2	1382.7	1410.6	1472.9	1587.2	1782.3	2035.1
22.5°	1685.7	1661.5	1552.8	1482.2	1463.6	1471.0	1483.1	1524.0	1606.7	1816.7	2104.8
25°	1873.4	1851.1	1721.9	1622.5	1596.5	1599.2	1589.0	1596.5	1649.4	1864.1	2191.2
27.5°	2073.2	2058.3	1920.8	1794.4	1753.5	1753.5	1717.3	1699.6	1708.9	1918.0	2287.8
30°	2251.6	2231.1	2115.0	1976.5	1922.6	1922.6	1853.9	1815.8	1793.5	1984.0	2417.0
32.5°	2345.4	2333.4	2256.2	2150.3	2084.3	2074.1	2014.6	1970.0	1918.0	2081.5	2591.7
35°	2468.1	2465.3	2418.8	2336.1	2252.5	2237.6	2196.8	2161.4	2071.3	2203.3	2824.0
37.5°	2622.4	2617.7	2610.3	2561.0	2460.7	2457.9	2421.6	2378.9	2261.8	2378.9	3105.6
40°	2795.2	2786.8	2777.5	2776.6	2716.2	2706.0	2703.2	2654.9	2491.3	2590.8	3399.2
42.5°	3033.1	3004.3	2916.9	2956.0	3000.6	2991.3	3026.6	2954.1	2777.5	2842.6	3677.1
45°	3325.8	3255.2	3082.3	3093.5	3205.9	3224.5	3347.2	3329.5	3092.6	3133.4	3969.8
47.5°	3501.4	3440.1	3279.3	3270.0	3410.4	3433.6	3700.3	3733.7	3431.7	3483.8	4331.3
50°	3645.5	3602.7	3470.8	3483.8	3632.5	3655.7	4050.6	4122.2	3751.4	3842.5	4751.3
52.5°	3819.2	3757.9	3655.7	3717.0	3899.2	3927.0	4440.0	4517.1	4039.5	4236.5	5186.2
55°	3916.8	3891.7	3893.6	3987.4	4216.0	4254.1	4847.9	4834.9	4303.4	4573.8	5513.3
57.5°	4141.7	4132.4	4217.9	4253.2	4585.9	4635.1	5255.9	5144.4	4543.1	4834.9	5670.3
60°	4538.5	4515.2	4589.6	4643.5	5043.1	5112.8	5711.2	5447.3	4705.7	5029.1	5617.3
62.5°	5096.0	5067.2	5070.0	5155.5	5655.4	5728.9	6217.6	5700.0	4755.9	5058.9	5281.9
65°	5789.3	5747.4	5700.0	5816.2	6468.5	6529.9	6768.7	5884.0	4636.1	4772.7	4581.2
67.5°	6520.6	6486.2	6430.4	6673.9	7521.4	7558.6	7386.6	5868.2	4256.0	4006.9	3213.4
70°	6563.3	6571.7	6835.6	7716.5	8895.8	8905.0	7971.1	5550.4	3446.6	2597.3	1601.1
72.5°	6122.9	6108.9	6452.7	7907.0	10001.6	10033.2	8247.1	4496.7	2129.9	1295.4	750.8
75°	4973.4	4997.5	5359.0	6918.3	8572.4	8600.3	6723.2	2651.2	1012.0	633.8	480.4
77.5°	2141.0	2275.7	2988.5	4873.9	6139.6	6053.2	3465.2	1074.2	539.9	451.6	368.0
80°	618.0	670.9	1064.9	2317.6	3678.9	3613.9	1371.6	402.4	376.3	339.2	263.9
82.5°	199.8	221.2	390.3	922.7	1648.5	1646.6	520.4	237.9	246.3	230.5	170.1
85°	55.8	64.1	119.9	279.7	510.2	499.9	150.5	112.4	131.0	132.9	84.6
87.5°	0.0	0.0	0.9	1.9	1.9	1.9	3.7	16.7	38.1	48.3	34.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P635095  
 CATALOG NUMBER: GWS-SA3D-722-U-T4FT-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1832.5	1832.5	1832.5	1832.5	1832.5	1832.5	1832.5	1832.5	1832.5	1832.5	1832.5
2.5°	1843.6	1840.9	1879.0	1908.7	1936.6	1955.2	1960.7	1964.4	1971.9	1975.6	1971.9
5°	1856.7	1870.6	1933.8	1980.2	2017.4	2039.7	2040.6	2038.8	2044.4	2039.7	2036.9
7.5°	1884.5	1911.5	1991.4	2040.6	2064.8	2065.7	2043.4	2017.4	2004.4	1993.3	1989.5
10°	1921.7	1961.7	2049.0	2081.5	2074.1	2039.7	1990.5	1949.6	1926.3	1909.6	1905.9
12.5°	1972.8	2017.4	2100.1	2099.2	2052.7	1991.4	1933.8	1884.5	1851.1	1831.6	1825.1
15°	2021.1	2077.8	2137.3	2093.6	2020.2	1945.9	1871.5	1805.5	1760.9	1730.3	1724.7
17.5°	2080.6	2141.0	2164.2	2076.0	1979.3	1883.6	1784.2	1697.7	1637.3	1601.1	1598.3
20°	2149.4	2203.3	2177.2	2045.3	1926.3	1800.9	1666.2	1569.5	1504.5	1469.2	1471.9
22.5°	2229.3	2268.3	2181.0	2003.5	1852.9	1683.8	1533.3	1440.3	1396.7	1378.1	1379.0
25°	2314.8	2339.9	2174.5	1946.8	1740.5	1540.7	1396.7	1353.9	1350.2	1345.6	1347.4
27.5°	2416.1	2410.5	2154.9	1866.9	1589.0	1374.4	1301.0	1312.1	1327.0	1325.1	1327.0
30°	2551.7	2498.8	2129.9	1756.3	1408.7	1235.0	1244.3	1275.9	1295.4	1297.2	1302.8
32.5°	2706.9	2596.3	2089.9	1605.8	1236.8	1156.9	1191.3	1229.4	1252.6	1257.3	1264.7
35°	2891.8	2707.8	2019.3	1418.0	1113.2	1110.5	1142.1	1168.1	1193.2	1195.0	1195.0
37.5°	3104.6	2819.4	1906.8	1210.8	1037.0	1070.5	1100.2	1105.8	1112.3	1106.7	1109.5
40°	3299.8	2927.2	1747.0	1022.2	974.8	1035.2	1060.3	1041.7	1021.3	1007.3	1010.1
42.5°	3463.3	3000.6	1535.1	890.2	911.6	1003.6	1023.1	985.0	945.1	919.0	922.7
45°	3647.3	3068.4	1286.1	801.0	857.7	981.3	994.3	945.1	893.9	854.9	849.3
47.5°	3901.0	3206.9	1064.9	738.8	819.6	969.2	990.6	923.7	856.8	798.2	791.7
50°	4214.2	3402.9	880.0	697.9	801.9	962.7	989.7	900.4	820.5	751.8	747.1
52.5°	4556.1	3594.4	743.4	666.3	784.3	943.2	985.0	874.4	782.4	708.1	702.5
55°	4783.8	3669.6	651.4	636.5	755.5	912.5	966.4	849.3	724.8	657.0	648.6
57.5°	4850.7	3573.0	587.3	609.6	718.3	869.8	931.1	796.4	689.5	635.6	629.1
60°	4735.5	3329.5	547.3	587.3	677.4	815.0	869.8	765.7	661.6	613.3	608.7
62.5°	4410.2	2954.1	516.7	564.1	635.6	757.3	830.8	728.5	631.0	592.9	586.4
65°	3756.0	2422.6	491.6	539.9	595.7	702.5	788.0	691.4	597.5	568.7	561.3
67.5°	2627.0	1701.5	464.6	511.1	555.7	649.5	743.4	657.0	563.1	541.8	534.3
70°	1284.2	902.3	432.1	477.6	512.9	595.7	698.8	615.2	517.6	505.5	495.3
72.5°	611.4	504.6	394.0	432.1	454.4	524.1	624.5	554.8	463.7	437.7	420.0
75°	409.8	358.7	343.8	378.2	383.8	439.5	535.3	478.6	408.9	379.1	364.3
77.5°	310.4	274.1	289.0	319.7	308.5	361.5	440.5	426.5	368.9	342.0	334.5
80°	218.4	199.8	229.5	248.1	239.7	307.6	396.8	365.2	303.9	274.1	268.6
82.5°	137.5	133.8	169.1	171.9	174.7	243.5	326.2	287.1	236.0	194.2	180.3
85°	68.8	76.2	101.3	101.3	100.4	125.4	185.9	161.7	127.3	101.3	98.5
87.5°	23.2	32.5	43.7	35.3	26.9	21.4	24.2	29.7	31.6	30.7	30.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)